

2006 INTERNATIONAL WORKSHOP ON POLLUTION PREVENTION AND SUSTAINABLE DEVELOPMENT

Cheyenne Mountain Resort, Colorado Springs, CO

Time	Day 1			
	Wednesday, November 1			
7:00 am – 4:00 pm	Registration/ Information Desk (Entrance to Centennial Room)			
8:00 am - 10:00 am	Opening Session (Centennial Ballroom)	<ul style="list-style-type: none"> - NASA Welcome – James Leatherwood, NASA HQ, Director, Environmental Management Division - Portuguese Center for Pollution Prevention (C3P) Welcome - General P.C. Branco, C3P President - Guest speaker – Mr. Jeffrey S. Ashby, HQ NASA to Air Force Space Command Liaison and NASA Astronaut - Air Force Space Command Mission Brief – AF Space Command Representative 		
10:00 am – 10:20 am	Break			
	Track A (Centennial Ballroom)		Track B (Exec. Presentation room)	
	Technical Sessions		Technical Sessions	
10:20 am – 12:00 pm	A.1. Environmentally Preferable Corrosion Protection #1 (Moderator: Pattie Lewis)	<ul style="list-style-type: none"> - The Air Force Corrosion Program – Mark Foley, Warner Robins Air Force Base - The AFSPC Corrosion Program – Richard Bliss, Headquarters Air Force Space Command (AFSPC) - Spacelift Range Systems Corrosion Control Program – Richard Bliss, Headquarters Air Force Space Command (AFSPC) 	B.1. Introduction to Sustainable Development (Moderator: John.Herrington)	<ul style="list-style-type: none"> - Introduction to Sustainability Concepts and Planning Approaches – Kevin Palmer, Center for Sustainable Solutions - Renewable Energy System Overview – Chandra Shah, National Renewable Energy Laboratory (NREL)
12:00 pm – 1:00 pm	Lunch on own (restaurants are available onsite at the Cheyenne Mountain Resort)			
1:00 pm – 2:50 pm	A.2. Environmentally Preferable Corrosion Protection #2 (Moderator: Pattie Lewis)	<ul style="list-style-type: none"> - Environmentally Friendly Coating Development at NASA Kennedy Space Center – Paul E. Hintze, NASA Kennedy Space Center - Comparison of the Chromium Distribution in New Super Koropon Primer to 30 Year Old Super Koropon Using Focused Ion Beam/Scanning Electron Microscopy – Janice Lomness, NASA Kennedy Space Center - Updates to Coatings and De-coatings Specifications - Bill Hoogsteden, USAF CTIO - Government-Industry Data Exchange Program (GIDEP) – What's in it for You? – Karen Jackson, Naval Surface Warfare Center 	B.2. Renewable Energy #1 (Moderator: John.Herrington)	<ul style="list-style-type: none"> - Advances in Wind Technology – Robi Robishaud, NREL - Use of Renewable Distributive Energy Resources to Support White Sands Technical Facility Ground Water Remediation – Holger Fischer, NASA JSC/WSTF - Portuguese Wind Farms, The Upcoming Future – Eduardo Manuel Dias Lopes/Sandra Estanislau, ISQ (Portugal) - The Future for Power from Photovoltaic Systems – Dr. David Block, Florida Solar Energy Center (FSEC)
2:50 pm – 3:10 pm	Break			
3:10 pm – 5:00 pm	A.3. Replacements for Chromium/HAPs/VOCs in Organic Coatings #1 (Moderator: Matthew.Rothgeb)	<ul style="list-style-type: none"> - Introduction to NASA/AF Non-Chrome System Testing – Matthew Rothgeb, ITB - Non-chrome Testing on Simulated Aircraft Structures – Joel Johnson PhD, AFRL/MLBT - The USAF Position on Replacement of Hexavalent Chrome Coatings – Bill Hoogsteden, AFSPC - Hill AFB Non-chrome Coatings Update – Wayne Patterson, Hill AFB 	B.3. Renewable Energy #2 (Moderator: John.Herrington)	<ul style="list-style-type: none"> - Advances in Hydrogen Electrolyzers – Kevin Harrison, Distributed Power Integration Engineering and Testing, NREL - NASA Hydrogen Research at Florida Universities - Dr. David Block, FSEC - Geothermal Technology – Joel Renner, The Idaho National Laboratory - Photovoltaics in Disasters, Dr. David Block, FSEC
6:00 pm – 7:30 pm	Meet & Greet on Day 1 (Grand Rivers Room)			

2006 INTERNATIONAL WORKSHOP ON POLLUTION PREVENTION AND SUSTAINABLE DEVELOPMENT

Cheyenne Mountain Resort, Colorado Springs, CO

Time	Day 2			
	Thursday, November 2			
7:00 am – 12:00 pm	Registration/ Information Desk (Entrance to Centennial Room)			
	Track A (Centennial Ballroom)		Track B (Exec. Presentation room)	
	Technical Sessions		Technical Sessions	
8:00 am – 9:50 am	A.4. Replacements for Chromium/HAPs/VOCs in Organic Coatings #2 (Moderator: Pattie Lewis)	- Low Temperature Cure Powder Coating -- Wayne Patterson, Hill AFB - Pulling Performance and Pollution Prevention – Andrew Oxenford, Kimetsan, Aerospace and Defense Coatings Ltd - Coatings and Polymers Development – Victoria Johnston Gelling, North Dakota State University	B.4. Green Buildings and Sites (Moderator: John.Herrington)	- Sustainable Design – Randy Hawke, Weston - Green Grid Roof – Irina Foster, Weston (presented by Tom Mitchell, Weston) - Corporate Social Responsibility in a Case Study in Angola (Rehabilitation of former field area) - Eduardo Manuel Dias Lopes, ISQ
9:50 am – 10:10 am	Break			
10:10 am – 12:00 am	A.5. DoD/NASA Pollution Prevention #1 (Moderator: Pattie Lewis)	- HQ AFSPC Weapon Systems Pollution Prevention Program – Dean Dunn, HQ AFSPC - Microwave Scrubber for Hypergolic Rocket Fuel – Chang Yul Cha, CHA Corp. - Proactive Pollution Prevention Approach to Chemical Synthesis –Dr. Suresh Suri, AFSPC - Halon Alternatives – Doug Dierdorf, Tyndall AFB	B.5. Replacements for Regulated Chemicals – NASA (Moderator: Brian Greene)	- Potential Impacts of Environmental Requirements on Space Vehicle Operations – Gail Grafton, CH2M HILL, and Sharon Scroggins, NASA Marshall Space Flight Center (Presented by Kristen Cole, CH2M HILL) - Shuttle Impact Assessment of Brominated Flame Retardants – Kara Schones, Boeing - Potential SSP Perfluorooctanic Acid Related Fluoropolymer Materials Obsolescence – Matt G. Segars, United Space Alliance
12:00 pm – 1:00 pm	Buffet lunch provided for workshop attendees on Day 2. (Mountain View Dining Room)			
1:00 pm – 2:30 pm	A.6. DoD/NASA Pollution Prevention #2 (Moderator: Matthew.Rothgeb)	- Efforts of the DoD Services and NASA to Green Cleaning Operations – Wayne Ziegler, U.S. Army Research Laboratory - Environmental Technology Support to the US Army Aviation and Missile Command – Dave Bonwit, Titan Corp - Air Force Laser Coating Removal Program – Georgette Nelson, CTC	B.6. Replacements for Regulated Chemicals Lead in Electronics #1 (Moderator: Brian Greene)	- Air Force Program Status on Lead-Free Solder – Tim Kalt, USAF Long Range Strike Systems Wing - LEADOUT – Supporting European Small and Medium Enterprises in Lead-Free Soldering Implementation – Margarida Pinto, ISQ - Lead-Free Electronics at BAE Systems – Ana (Lety) Campuzano-Contreras, BAE Systems
2:30 pm – 2:50 pm	Break			
2:50 pm – 4:30 pm	A.7. Replacements for Solvent/ Abrasive Depainting (Moderator: Matthew.Rothgeb)	- Corn Hybrid Polymer (CHP) Blast Media – Coatings Removal from Delicate Substrates – Brad Biagini, CTC (presented by Georgette Nelson, CTC) - Portable Laser Coating Removal System for NASA Ground Support and Orbiter – Georg Heidelberg, Adapt-Laser - Advances in Liquid Nitrogen Depainting – Howard Hume, NitroCision	B.7. Replacements for Regulated Chemicals Lead in Electronics #2 (Moderator: Brian Greene)	- Lead-Free Electronics - Space Shuttle Impacts and Mitigation Approaches – Kara Schones, Boeing and Michael Puskar, Hamilton Sundstrand Space Systems International - European Lead Free Network (ELFNET) – Margarida Pinto, ISQ - Open Discussion on Future Lead-Free Electronics Collaboration – ITB